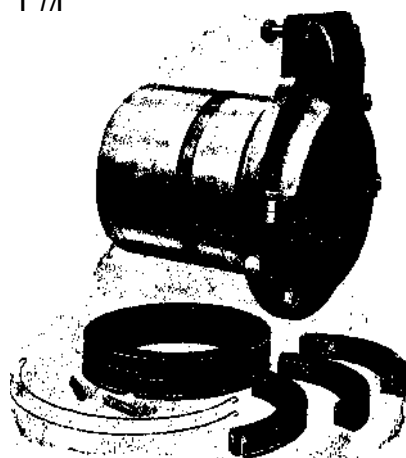


STEAM TURBINES



are shown in fig. 26. They consist of a number of carbon rings held close round the shaft by means of springs. Spaces are left between pairs of rings into which steam at atmospheric pressure is led. This forms an effective seal.

The rings are made in three segments of graphitic carbon, and when assembled surround a sleeve fixed on the shaft.

The thrust block is of the Michell self-lubricating type.

The governor is of the vertical totally-enclosed centrifugal type, and is designed to give fine regulation. The governor weights are held in position on the vertical arms of bell-crank levers by compression springs. The pressure

Fig. 26.—standard shaft Gland oil supply is used for lubricating all parts of the governor.

The motion of the governor sleeve, which is free to move on the vertical governor spindle, is communicated to a floating lever, which in turn operates

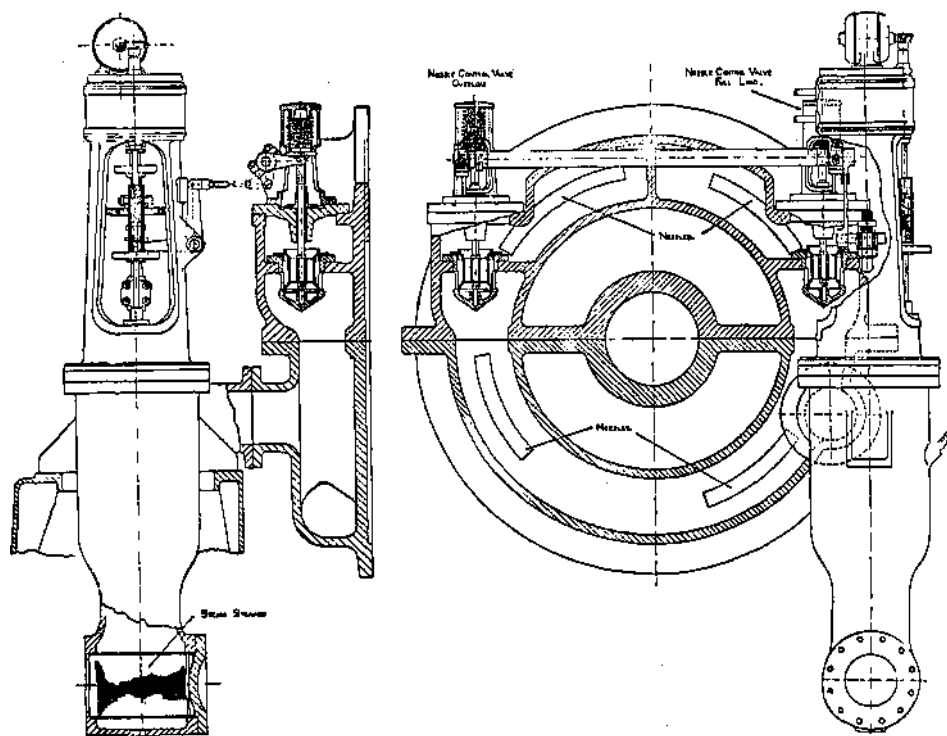


Fig. 27.—Governor Gear showing Arrangement of Nozzle Control Valves of English Electric Company's Zoelly Turbine